

Title (en)

SEALING DEVICE FOR ROLL BEARINGS WITH COMPENSATION FOR RADIAL OFFSET

Title (de)

DICHTUNGSVORRICHTUNG FÜR WALZENLAGER MIT AUSGLEICH RADIALEN VERSATZES

Title (fr)

DISPOSITIF D'ETANCHEITE POUR PALIER DE LAMINOIR A COMPENSATION DU DECALAGE RADIAL

Publication

EP 1370376 A1 20031217 (DE)

Application

EP 02712930 A 20020228

Priority

- DE 10113869 A 20010321
- EP 0202119 W 20020228

Abstract (en)

[origin: DE10113869A1] The sealing system for a bearing for a roller (1) comprises sealing rings (9, 10) which fit against a sealing surface (7) on the roller shaft (2) The rings and/or sealing surface are mounted on flexible supports (13) which are less rigid than the sealing lips (14, 15) on the rings.

IPC 1-7

B21B 31/07; **F16J 15/32**

IPC 8 full level

B21B 27/00 (2006.01); **B21B 31/07** (2006.01); **F16J 15/32** (2006.01)

CPC (source: EP KR US)

B21B 31/078 (2013.01 - EP US); **F16C 33/72** (2013.01 - KR); **F16C 33/74** (2013.01 - EP US); **F16J 15/3224** (2013.01 - EP US); **F16C 2322/12** (2013.01 - EP US)

Citation (search report)

See references of WO 02076645A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

DE 10113869 A1 20020926; AT E303211 T1 20050915; BR 0207711 A 20040323; CN 1280034 C 20061018; CN 1498139 A 20040519; CZ 20032542 A3 20040218; DE 50204086 D1 20051006; EP 1370376 A1 20031217; EP 1370376 B1 20050831; ES 2247306 T3 20060301; JP 2004533931 A 20041111; JP 4537001 B2 20100901; KR 20030082999 A 20031023; RU 2003130975 A 20050210; RU 2282510 C2 20060827; US 2004080116 A1 20040429; US 2006202429 A1 20060914; US 7396021 B2 20080708; WO 02076645 A1 20021003; ZA 200306362 B 20031208

DOCDB simple family (application)

DE 10113869 A 20010321; AT 02712930 T 20020228; BR 0207711 A 20020228; CN 02806883 A 20020228; CZ 20032542 A 20020228; DE 50204086 T 20020228; EP 0202119 W 20020228; EP 02712930 A 20020228; ES 02712930 T 20020228; JP 2002575149 A 20020228; KR 20037012234 A 20030919; RU 2003130975 A 20020228; US 41834406 A 20060504; US 47164803 A 20030910; ZA 200306362 A 20030815